Washington State Department of Transportation

Field Density Test

Contract Number _____ SR Number _____ Date _____

Section _____ Inspector _____

* Test Hole Number				
Station to Station				
* Test Station				
* Reference to Center Line				
* Reference to Subgrade				
* Material (Clay, Top Course, etc.)				
Depth of Material (If surfacing)				
Gauge Readings				
Dry Density lbs/cu ft	0			
	90			
*Average Dry Density lbs/cu ft	Average			
Moisture Content	0			
	90			
* Average Moisture Content	Average			
Gradation Determination				
Mass of Sample (Dry or SSD) + Tare				
Mass of Tare A				
Mass of Sample (Dry or SSD) = [Mass of Sample - TareA]				
Mass Retained on No. 4 Sieve + Tare				
Mass of Tare B				
Mass of Material Retained on No. 4 Sieve = [Mass Retained - TareB]				
% Retained on No. 4 Sieve (% Oversize) = $\frac{\text{Mass Retained}}{\text{Mass of Sample}}(100)$				
* % Pass No. 4 Sieve = (100 - Percent Retained)				
Specification Density Determination				
* Maximum Density from appropriate curve lbs/cu ft				
* Standard (Curve or Lab ID Number)				
* Corrected Maximum Density for Oversize, lbs./cu ft (for non-granular material only)				
* Density lbs/cu ft (% of maximum) = $\frac{\text{Dry Density (100)}}{\text{Maximum Density}}$				
Optimum Moisture Determination				
* Optimum Moisture (from curve)				
* Opt. Moisture Corrected (non-granular mat. only) = Opt. Moisture X % Passing No. 4 / 100				

Comments

Note: If retest, add letter to number such as 1st test No. 27, retest 27A

*** Information is to be transferred to DOT Form 351-015, "Daily Compaction Test Report"**